

I claim:

- 5 *Self*
1. An illuminated display system, comprising:
an illuminated display unit for displaying information;
a control algorithm for measuring ambient light reflecting from an object in proximity
to said display unit; and
another control algorithm responsive to said control algorithm for adjusting a display
10 illuminator to a determined intensity level for facilitating viewing of the information displayed
on said display unit.
 2. An illuminated display system according to claim 1, further comprising:
a brightness algorithm for determining when said display illuminator is illuminating said
display unit at a maximum intensity level; and
a contrast algorithm responsive to said brightness algorithm for automatically adjusting
a contrast level of said display unit to a predetermined level when said display illuminator level
is at said maximum level to further facilitate viewing of information displayed on said display
unit.
 - 20 3. An illuminated display system according to claim 2, wherein said display unit is a
liquid crystal display unit.
 4. An illuminated display system according to claim 3, wherein said display illuminator
25 is a back light display illuminator.
 5. An illuminated display system according to claim 3, wherein said display illuminator
is a front light display illuminator.
 - 30 6. A digital camera, comprising:
an image processing system for capturing, processing and storing images;

a liquid crystal display unit for displaying images;

a control algorithm for measuring ambient light reflecting from an object in proximity
5 to said liquid crystal display unit; and

another control algorithm responsive to said control algorithm for adjusting a back
light level of said liquid crystal display unit to a determined ambient light level for facilitating
viewing of images displayed on said liquid crystal display.

10 7. A digital camera according to claim 6, further comprising:

a brightness algorithm for determining when said back light level is at a maximum level;

and

a contrast algorithm responsive to said brightness algorithm for automatically adjusting
a contrast level of said liquid crystal display to a predetermined level when said back light level
is at said maximum level to further facilitate viewing of image and textual information
displayed on said liquid crystal display.

15 8. A digital camera according to claim 7, wherein said brightness algorithm determines
a default brightness midway between a maximum brightness level and a minimum brightness
20 level.

9. A digital camera according to claim 8, wherein said contrast algorithm adjusts said
contrast level to default contrast level corresponding to said default brightness whenever said
liquid crystal display unit is displaying camera status information and not an object image.

25 10. A digital camera according to claim 9, wherein said contrast algorithm adjusts said
contrast level to an adjusted contrast level whenever said brightness algorithm determines that
said back light level is at a maximum level.

30 11. A digital camera according to claim 10, wherein said adjusted contrast level is a
maximum contrast level.

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measuring ambient light reflecting from an object in proximity to the display unit; and
adjusting the intensity level of the display illuminator to a determined intensity level to

facilitate viewing of the displayed information.

adjusting display contrast when said display illuminator is adjusted to a maximum

intensity level.

[illegible]